

AMENDMENTS TO THE SPECIFICATION

Please replace the ABSTRACT with the following rewritten ABSTRACT:

A method and apparatus for eddy current inspection. The apparatus includes an induction probe to receive a train of pulsed electrical packets and a cluster of pulses being superimposed on each packet. Each pulse in the cluster of pulses has an amplitude that is proportional to an instantaneous amplitude of a major wave associated with the train of pulsed electrical packets, and each pulse in the cluster of pulses has a frequency that is proportional to an instantaneous frequency of the major wave associated with the train of pulsed electrical packets.